



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

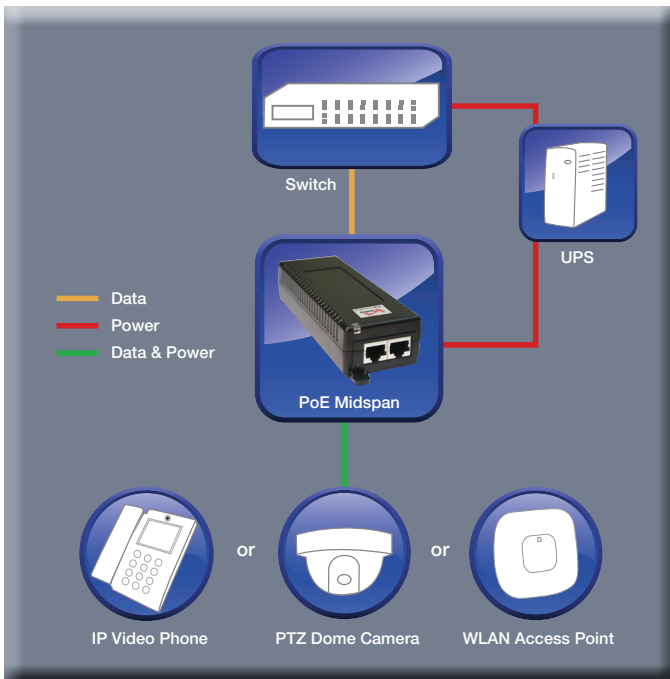
Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# PowerDsine 9001GR

Single Port, High Power Gigabit Midspan, 802.3at Compliant



## Overview

The PowerDsine 9001GR is a single port, high-power solution for remote powering of current and emerging high power applications. Generating up to 30W, the 9001GR enables remote power for a new range of applications including 802.11n Access Points, pan-tilt-zoom (PTZ) cameras and video-phones. It complies to IEEE 802.3at PoE standard and is backward compatible to IEEE802.3af. It can power both existing 10/100Base-T network devices and emerging wireless 1000Base-T devices such as WiMAX and wireless IEEE 802.11n access points.

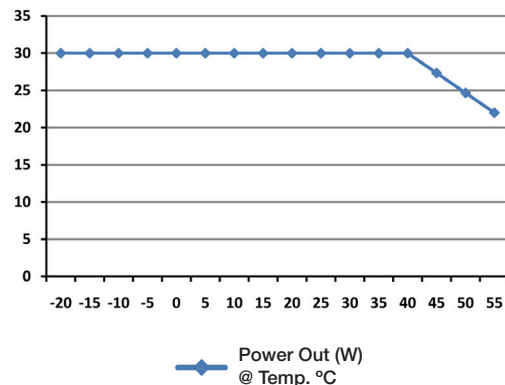
## PD-9001GR Features

- IEEE 802.3at compliant with 2-event classification
- IEEE 802.3af backward compatible
- Output power of 30W is guaranteed
- Supports 10/100/1000Base-T applications
- Compatibility
  - PD-9001GR/AT: IEEE802.3at
  - PD-9001GR: IEEE802.3at + Legacy detection
- Safe: low power devices receive only the power they need
- Automatic Detection and Protection of non-standard Ethernet terminals
- Compact design fits easily in WLAN Access Point and IP Cameras installations

## PD-9001GR Specifications

No. of Ports	1
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 55Vdc User Port Power: 30Watts (Guaranteed)
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 0.8A @100-240Vac AC Frequency: 50 to 60 Hz
Dimensions	53 mm (W) x 32.5 mm (H) x 140 mm (L) 2.09 in. x 1.28 in. x 5.5 in
Weight	.44 lbs (200g)
Indicators	AC Power (Yellow) Channel Power (Green)
Connectors	Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: -4° to 104°F (-20 to 40°C) @ 30W -4° to 131°F (-20 to 55°C) @ 22.5W  Operating Humidity: Maximum 90%, Non-condensing  Storage Temperature: -4° to 158°F (-20° to 70°C)  Storage Humidity: Maximum 95%, Non-condensing
Reliability	MTBF: 100,000 hrs. @25°C
Thermal Rating	20 BTU/Hr (@240VAC)
Warranty	1-year
Regulatory Compliance	IEEE 802.3at (PoE), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024 (Immunity), VCCI
Safety Approvals	UL/cUL Per IEC 60950-1 GS Mark Per IEC 60950-1

PD-9001GR Performance



## Ordering Information

Part Number	Name	Description
PD-9001GR/AC	PowerDsine PD-9001GR	1-port IEEE 802.3at Legacy Gigabit Midspan
PD-9001GR/AT/AC	PowerDsine PD-9001GR/AT	1-port IEEE 802.3at Gigabit Midspan



## For More Information

### North America

PowerDsineUSA@microsemi.com

### EMEA

(Europe, Middle East, Africa)

PowerDsine@microsemi.com

### LATAM

(Latin America)

PowerDsineLATAM@microsemi.com

### APAC

(Asia Pacific)

PowerDsineAPAC@microsemi.com



Microsemi Corporation (NASDAQ:MSCC) offers the industry's most comprehensive portfolio of semiconductor and networking technology. PowerDsine® PoE Systems, a Microsemi brand, is the thought leader in energy efficient, high power PoE technology. Learn more at [microsemi.com/powerdsine](http://microsemi.com/powerdsine)